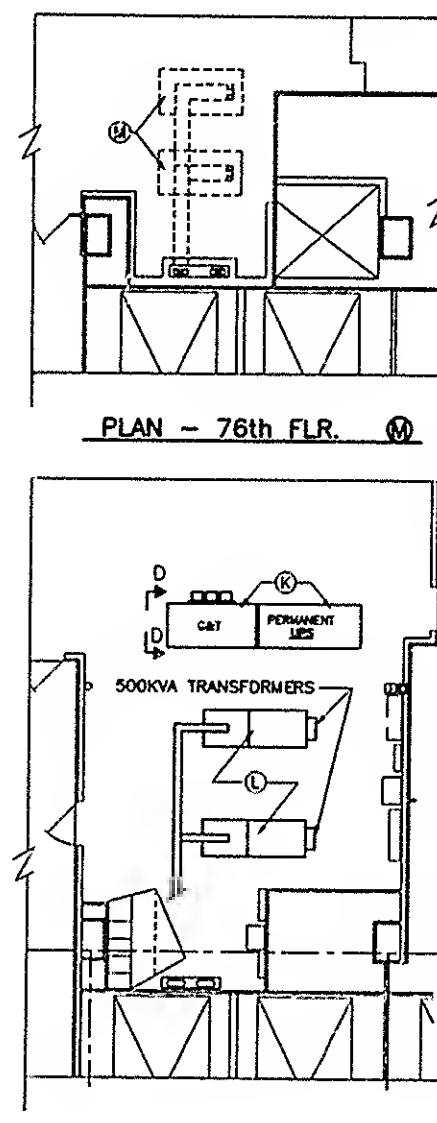
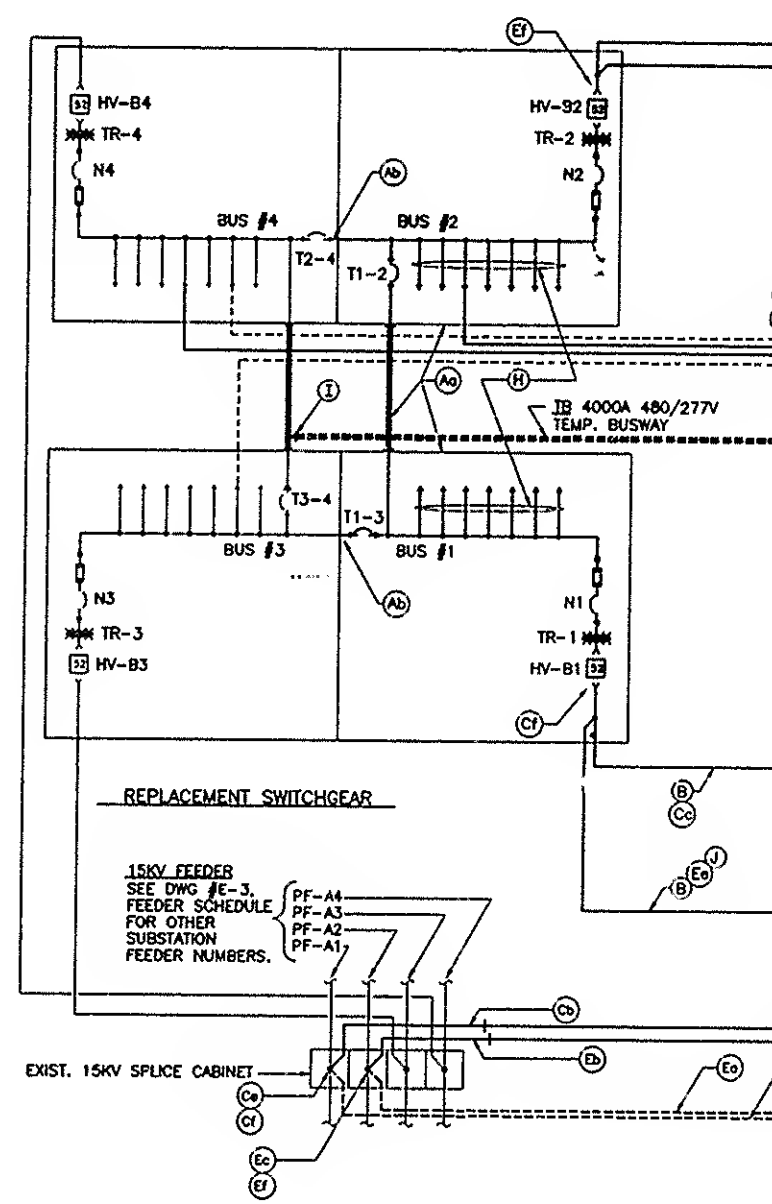


PLAN - 75th FLR. (A) THRU (D)

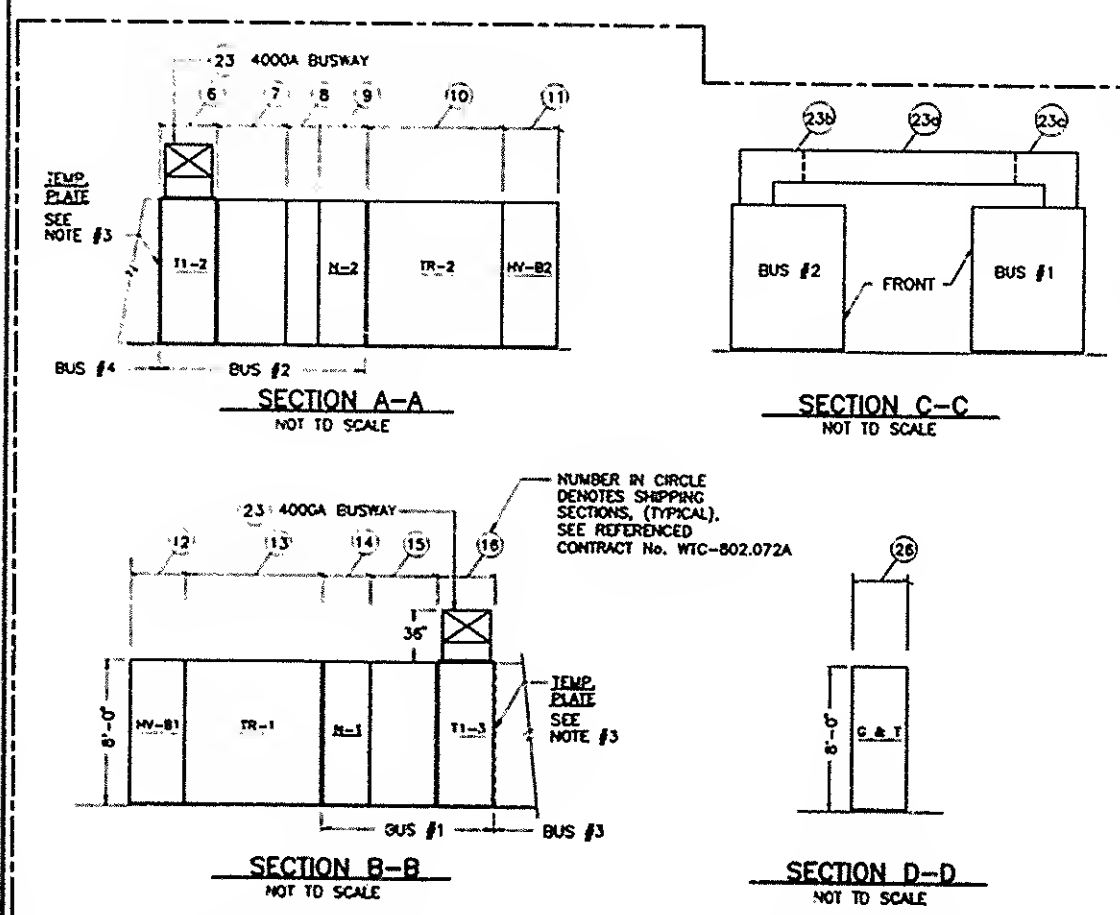
TYPICAL PLAN - SUBSTATION SS-75N
(OTHER SUBSTATIONS SIMILAR)



PLAN - 76th FLR. (M)



ONE LINE DIAGRAM - SUBSTATION SS-75N
(OTHER SUBSTATIONS SIMILAR)



SWITCHGEAR EQUIPMENT FURNISHED BY P.A. SEE DWG #E-3, NOTE #3

SEQUENCE OF INSTALLATION STAGE III (SEE NOTE #2)

STEP	DESCRIPTION OF WORK	OUTAGE AT SUBSTATION (SEE NOTE #5)	REMARKS
A	a. INSTALL BUS #1 & 2 WITH ASSOCIATED EQUIPMENT b. MAKE CONNECTIONS BETWEEN BUS 2 & 4, AND BUS 1 & 3.	- D - A OR B	SEE NOTE #3 & SECTIONS A-A, B-B
B	INSTALL CDT. PF-A1 FROM HV-B1 TO EXISTING 15KV. SPLICE CABINET, AND CDT. PF-A1 TEMP. FROM HV-B1 TO EXIST. TR-1.	- D - - D -	END CDT. SHORT OF SPLICE CABINET & EXIST. TR-1
C	a. REMOVE EXIST'G PF-A1 CDT & CABLE FROM SPLICE CABINET TO EXISTING SWITCHGEAR b. EXTEND CDT PF-A1 TO EXISTING 15KV. SPLICE CABINET. c. INSTALL FDR PF-A1 SPLICE & CONNECT. d. EXTEND CDT. PF-A1 TEMP. TO EXIST TR-1 e. INSTALL FDR. PF-A1 TEMP. & CONNECT. f. TEST & ENERGIZE FEEDER PF-A1, RE-ENERGIZE EXIST. TR-1.	D - D -	OPEN EXIST. TR-1 NETWORK PROTECTOR & LOCK OUT OF SERVICE. DE-ENERGIZE FOR PF-A1 & KEEP OUT OF SERVICE FOR DURATION OF STEP C (THE 3 REMAINING FEEDERS WILL SUPPLY 1/2 OF THE TOWER) BKR. HV-B1 TO BE LOCKED OPEN AFTER TEST.
D	INSTALL CDT. PF-A2 FROM HV-B2 TO EXISTING 15KV. SPLICE CABINET, AND CDT. PF-A2 TEMP. FROM HV-B2 TO EXIST. TR-2.	- D - - D -	END CDT. SHORT OF SPLICE CABINET & EXIST. TR-2.
E	a. REMOVE EXIST'G PF-A2 CDT & CABLE FROM SPLICE CABINET TO EXISTING SWITCHGEAR b. EXTEND CDT PF-A2 TO EXIST. 15KV. SPLICE CABINET. c. INSTALL FDR PF-A2 SPLICE & CONNECT. d. EXTEND CDT. PF-A2 TEMP. TO EXIST TR-2 e. INSTALL FDR PF-A2 TEMP. & CONNECT. f. TEST & ENERGIZE FEEDER PF-A2, RE-ENERGIZE EXIST. TR-2.	D - D -	OPEN EXIST. TR-2 NETWORK PROTECTOR & LOCK OUT OF SERVICE. DE-ENERGIZE FOR PF-A2 & KEEP OUT OF SERVICE FOR DURATION OF STEP F (THE 3 REMAINING FEEDERS WILL SUPPLY 1/2 OF THE TOWER) BKR. HV-B2 TO BE LOCKED OPEN AFTER TEST.
F	COMMISSION BUS #1 & 2 LINE-UPS. (SEE NOTE #4)	B	SEE SPEC. SECTION 18999 FOR COMMISSIONING PROCEDURE
G	a. OPEN EXIST'G TR-1 NETWORK PROTECTOR AND PRIMARY DISC. SW. - CLOSE BKR. HV-B1. b. (REPEAT a. FOR EXIST. TR-4 & HV-B4)	- D - - D -	NEWLY INSTALLED EQUIP. WILL SUPPLY LOADS WITH EXIST. TR-1 & TR-2 ACTING AS BACK-UP.
H	TRANSFER LOADS FROM EXIST. "R" BUS TO BUS 1 & 2, REMOVE FDR'S	A, B OR C	APPROX. 11 LOADS
I	DISCONNECT TEMP. BUSWAY, DE-ENERGIZING EXIST. "R" BUS, CAP 4000A. BUSWAY	A OR B	OPEN N4, T2-4 & T3-4
J	REMOVE FDR'S PF-A1 TEMP. & PF-A2 TEMP., REMOVE EXIST. "R" BUS. TRANSFORMER #TR-1 & TR-2 WITH ASSOCIATED EQUIPMENT.	G	SAME REMARK AS (C) & (D) ABOVE
K	INSTALL G & T CUBICLE & PERMANENT UPS.	- D - - D -	
L	INSTALL TRANSFORMERS R-1 & L-3 WITH ASSOCIATED EQUIPMENT	C	SEE DWG #E-106
M	REMOVE EXIST. TRANSFORMERS R-1 & L-3 PATCH FLOOR REMOVE TEMP. UPS.	- D - - D -	SEE DWG #E-106